

## INDEX TO ADVERTISERS

OCTOBER 1940 • BULLETIN OF  
THE NEW YORK ACADEMY OF MEDICINE

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BENDINER & SCHLESINGER . . . . .	IX
BILHUBER-KNOLL CORP. . . . .	V
CAMBRIDGE INSTRUMENT CO., INC. . . . .	XI
CLAY-ADAMS CO., INC. . . . .	VIII
DUBIN, H. E. LABORATORIES . . . . .	VIII
FALKIRK-IN-THE-RAMAPOS . . . . .	VII
FOOD CONCENTRATES, INC. . . . .	Inside back cover
HARRIS LABORATORIES . . . . .	XII
LEDERLE LABORATORIES, INC. . . . .	III
MACY, R. H. & CO. . . . .	X
MAGER & GOUGELMAN, INC. . . . .	VII
MEAD JOHNSON & CO. . . . .	IV
PEDIFORME . . . . .	IX
POMEROY . . . . .	VII
SEAMAN, LOUIS LIVINGSTON, FUND . . . . .	VIII
SHEFFIELD FARMS . . . . .	V
S. M. A. CORPORATION . . . . .	II
CHARLES B. TOWNS HOSPITAL . . . . .	X
VITAMIN FOOD CO., INC. & VEGEX, INC. . . . .	VI



**THESE STANDARDS**  
*help assure*  
**NORMAL WEIGHT GAIN**  
 TOGETHER  
 ELLENT TISSUE TURGOR AND PROPER BONE STRUCTURE.

- 1** A suitable fat, easily digested, readily assimilated.
- 2** A protein that provides the amino acids essential for adequate nutrition and growth.
- 3** Lactose in correct proportion to protein and fat.
- 4** Iron, 10 mg. per quart.
- 5** Vitamins A, B<sub>1</sub> and D in adequate amounts.
- 6** 20 calories per ounce.

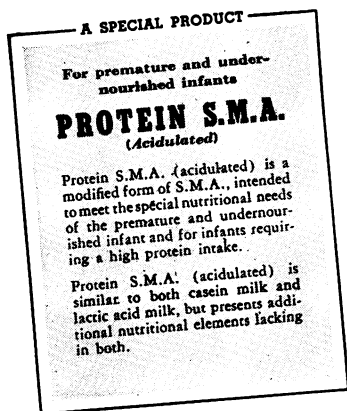
S.M.A.,\* when diluted ready to feed, meets these standards.

S.M.A. gives excellent nutritional results—consistently, economically.

*Normal infants relish S. M. A. . . . digest it easily and thrive on it.*

" " "

\*S.M.A., a trade mark of S.M.A. Corporation, for its brand of food especially prepared for infant feeding—derived from tuberculin-tested cow's milk, the fat of which is replaced by animal and vegetable fats, including biologically tested cod liver oil; with the addition of milk sugar and potassium chloride; altogether forming an antirachitic food. When diluted according to directions, it is essentially similar to human milk in percentages of protein, fat, carbohydrates and ash, in chemical constants of the fat and physical properties.



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*Prerequisite to Pneumonia control —  
Type the invading organism!*

## PNEUMONIA TYPING SERA (Rabbit)

*Lederle*

**Containing Stabilized Blue Dye which improves practicality of the Lederle Typing Sera**

REGARDLESS of the therapeutic measure adopted, whether it be chemotherapy alone, chemotherapy plus specific serum, or specific serum alone; an accepted principle in pneumonia control is first to take sputum samples for determining the type of pneumococcus. The accepted method of typing is based upon the accurate and rapid Neufeld or "Capsular swelling" reaction.

To further enhance the convenience and practicality of typing sera, Lederle has added a stable blue dye which, unlike the methylene blue in the former sera, does not lose its staining ability. The presence of the stabilized dye is a time saver for the technician and avoids irregularities of dilution which must be expected when the technician adds his own methylene blue to clear serum.



"Pneumococcus Typing Sera *Lederle* (Rabbit)" with blue dye added are available for types 1 to 33 in 1.0 cc. vials, and in packages of 5 capillary tubes for individual tests.

To reduce conveniently the number of tests, combinations are offered as follows:

Mixture "A"—containing Types 1, 2, and 7.

Mixture "B"—containing Types 3, 4, 5, 6, and 8.

Mixture "C"—containing Types 9, 12, 14, 15, 17, and 33.\*

Mixture "D"—containing Types 10, 11, 13, 20, 22, and 24.

Mixture "E"—containing Types 16, 18, 19, 21, and 28.

Mixture "F"—containing Types 23, 25, 27, 29, 31, and 32.

\*Note the inclusion of Type 33!

Also available in packages of 5 tests, in 5 capillary tubes, and 1.0 cc. vials, "B. Friedlander Typing Sera *Lederle* (Rabbit)"

For monovalent types A and B  
Containing Stabilized Blue Dye

LEDERLE LABORATORIES, INC.  
30 ROCKEFELLER PLAZA NEW YORK, N. Y.

# STRAPPED FOR RICKETS

The swaddled infant pictured at right is one of the famous works in terra cotta exquisitely modeled by the fifteenth century Italian sculptor, Andrea della Robbia. In that day infants were bandaged from birth to preserve the symmetry of their bodies, but still the gibbous spine and distorted limbs of severe rickets often made their appearance.

SWADDLING was practised down through the centuries, from Biblical times to Glisson's day, in the vain hope that it would prevent the deformities of rickets. Even in sunny Italy swaddling was a prevailing custom, recommended by that early pediatrician, Soranus of Ephesus, who discoursed on "Why the Majority of Roman Children are Distorted."

"This is observed to happen more in the neighborhood of Rome than in other places," he wrote. "If no one oversees the infant's movements, his limbs do in the generality of cases become twisted. . . . Hence, when he first begins to sit he must be propped by swathings of bandages. . . ." Hundreds of years later swaddling was still prevalent in Italy, as attested by the sculptures of the della Robbias and their contemporaries. For infants who were strong Glisson suggested placing "Leaden Shoes" on their feet and suspending them with swaddling bands in mid-air.

How amazed the ancients would have been to know that bones can be helped to grow straight simply by internal administration of a few drops of Oleum Percomorphum. What to them would have been a miracle has become a commonplace of science. Because it can

Oleum Percomorphum offers not less than 60,000 U.S.P. vitamin A units and 8,500 U.S.P. vitamin D units per gram. Supplied in 10 and 50 c.c. bottles, also in boxes of 25 and 100 ten-drop soluble gelatin capsules containing not less than 13,300 vitamin A units and 1,850 vitamin D units.



*A bambino from the Foundling Hospital, Florence, Italy,—A. della Robbia*

be administered in drop dosage, Oleum Percomorphum is especially suitable for young and premature infants, who are most susceptible to rickets. Derived from natural sources, this product is rich in vitamins A and D. Important also to your patients, Oleum Percomorphum is an economical antiricketic.

**MEAD JOHNSON & COMPANY**  
EVANSVILLE, INDIANA, U. S. A.

## Theocalcin - - *prescribed with or without digitalis*

Combinations of Theocalcin and digitalis are frequently prescribed to improve cardiac function in congestive heart failure. In other cases, when digitalis fails to give relief, Theocalcin in doses of 1 to 3 tablets t.i.d. is often effective.

Theocalcin is a well tolerated diuretic and myocardial stimulant which acts promptly to reduce edema, diminish dyspnoea and strengthen heart muscle.

Theocalcin is available in 7½ grain tablets and in powder form.



Theocalcin, brand of theobromine-calcium salicylate.  
Patent and Trade Mark Reg. U. S. Pat. Off.

**BILHUBER-KNOLL CORP.** ORANGE, NEW JERSEY.

## A growth factor

"As far as normal, full term infants are concerned, milk containing 135 U. S. P. units per quart usually will prevent rickets. Milk containing 400 U. S. P. units of vitamin D per quart obviously supplies somewhat more than the amount which usually is required to prevent rickets. The question has been raised whether or not vitamin D milk containing 400 U. S. P. units of vitamin D per quart permits good growth. It has long been known that vitamin D is a growth factor, like many other dietary essentials. There is evidence also that infants receiving customary quantities of milk which contains 400 U. S. P. units of vitamin D per quart exhibit good growth. The Council voted that this claim be recognized."

### FREE BOOKLET!

Write for a complete Digest of Facts and Opinions on Vitamin D Milk, and the relation of homogenization to curd tension and digestibility of milk. Includes a compilation of authoritative statements on these vital subjects. It is free. Write Sheffield Farms, 524 W. 57th St., New York City, or call COLUMBUS 5-8400. The booklet will be sent to you without obligation.

**SHEFFIELD FARMS** **HOMOGENIZED VITAMIN D MILK**



# VEGEX

*for the*

## VITAMIN B COMPLEX

In using thiamin, nicotinic acid or other fractions of the vitamin B complex, physicians also know the need for the whole complex to do the full job and increasingly are they turning to Vegex, the extract from autolyzed, genuine brewery yeast.

Then, too, the B vitamins are not an occasional but a daily need. Economy to the patient or for mother and child feeding is a very important practical thing, now emphasized by both physicians and mothers. Vegex is a dependable, economical answer.

### *How to Use Vegex*

Vegex is a condensed paste, not administered as is—without dilution. A small amount taken several times during the day rather than the prescribed amount at once, is preferable. It is served at the rate of a scant teaspoonful mixed into a cup of hot water. A little Vegex may be added to soups or mixed with butter for toast.

### *Vegex With Milk*

Vegex makes up any deficiency there is in milk in the B vitamins; adds a substantial quantity of iron. Milk adds a lime balance and vitamin A to Vegex. Try Vegex in hot milk—a half teaspoonful to a cup.

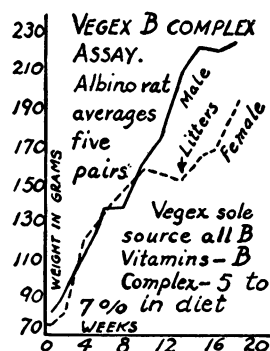
### *Amounts Indicated*

As published in the reports from medical research, for vitamin B complex reinforcement the general indication is from one to three teaspoonfuls daily; from one-fourth to one-half teaspoonful for the bottle fed baby and three or more teaspoonfuls for the expectant or nursing mother. Eighteen grams (three level teaspoonfuls) have been used to supply the vitamin B complex in cases of alcoholic polyneuritis. In the anemias, the amount required ranges from fifty to a hundred and twenty-five grams per day.

Vegex diluted in hot water is palatable and easily borne and is especially useful for liquid diets and in post operative cases.

Vegex is packed in 4 ounce and 8 ounce jars; in 1 pound, 2 pound and 10 pound tins.

Samples for clinical or professional use will be sent on request.



*Samples for clinical or professional use will be sent on request*

VITAMIN FOOD CO., INC. and VEGEX, INCORPORATED

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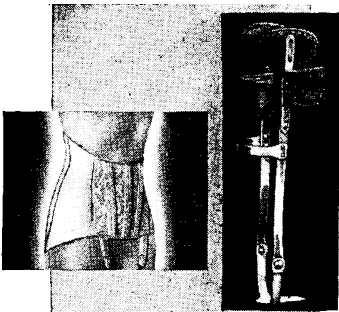
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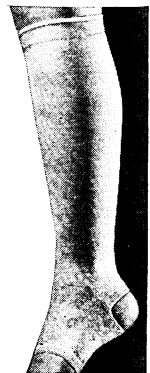
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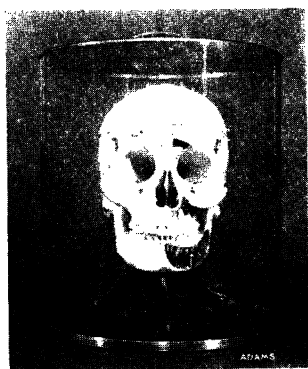
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## THE LOUIS LIVINGSTON SEAMAN FUND

The New York Academy of Medicine announces the availability of The Louis Livingston Seaman Fund for the furtherance of research in bacteriology and sanitary science. Fifteen hundred dollars (\$1,500) is available for assignment in 1940. This fund has been made possible by the terms of the will of the late Dr. Louis Livingston Seaman and is administered by a Committee of the Academy under the following conditions and regulations:

1. The Committee will receive applications either from institutions or individuals up to October 15, 1940. Communications should be addressed to Dr. Wilson G. Smillie, Chairman, 2 East 103 Street, New York City.

2. The Fund will be expended only in grants in aid for investigation or scholarships for research in bacteriology or sanitary science. The expenditures may be made for: a. Securing of technical help. b. Aid in publishing original work. c. The purchase of necessary books or apparatus.

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"Men of science without laboratories are as soldiers without arms."

—Pasteur

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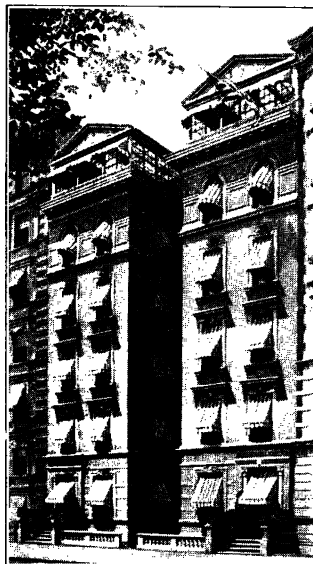
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*Complimentary Copy "Drug and Alcoholic  
Sickness" Sent on Request*



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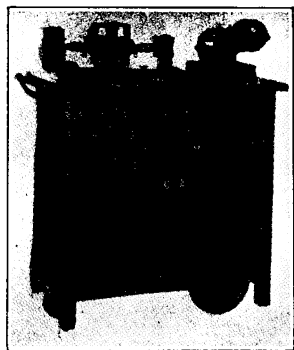
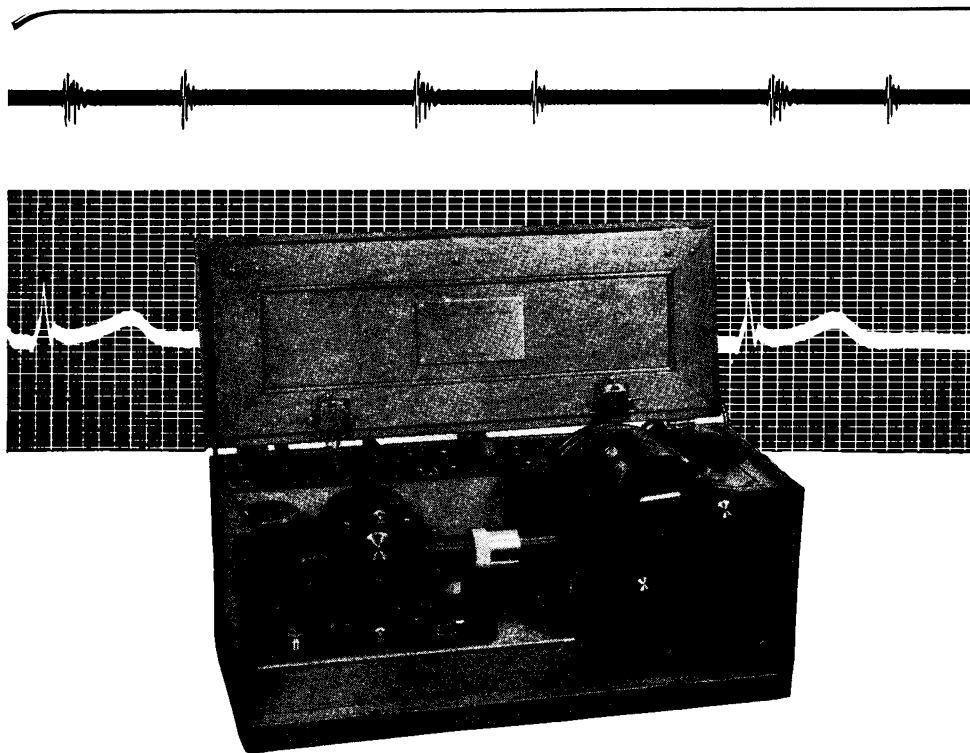
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**C A M B R I D G E**  
*all-electric "Hindle"*  
**ELECTROCARDIOGRAPH**

# B COMPLEX

is more valuable as a  
therapeutic agent than  
the individual vitamins

DR. MARTIN G. VORHAUS<sup>1</sup> advocates the use of the entire B complex, even in cases where insufficiency of individual specific B factors is indicated, as it has been found that patients suffering from a deficiency in one of these factors often suffer from an insufficiency of other factors.

DR. NORMAN JOLLIFFE said<sup>2</sup>: "Diets containing a constant amount of vitamin B<sub>1</sub>, but rich in the entire vitamin B complex, apparently lead to a greater improvement in objective signs of polyneuritis than diets poor in vitamin B complex."

## *Brewers' Yeast (Harris)*

### IN POWDER FORM AND ITS CONCENTRATES —

contains Vitamins B<sub>1</sub>-B<sub>2</sub>-B<sub>4</sub>-B<sub>6</sub> and nicotinic acid with the *mineral yeast cell* salts, essential for certain vitamins to complete their therapeutic purposes.

**Be Sure—Use "B-complex"** as advised by Williams and Spies,<sup>3</sup> who state:

Even when vitamins B<sub>1</sub>, B<sub>2</sub>, B<sub>6</sub> and nicotinic acid are all combined, "it cannot fulfill the entire function of the vitamin B-complex."

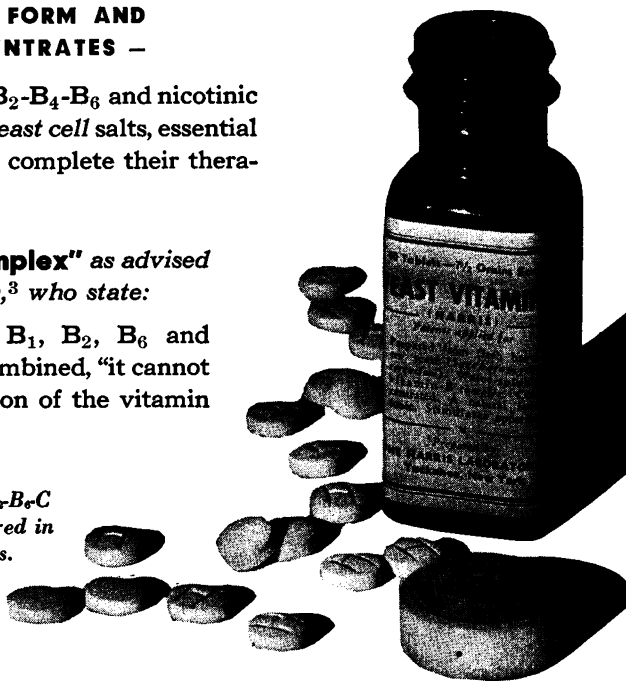
*Crystalline Vitamins B<sub>1</sub>-B<sub>2</sub>-B<sub>6</sub>-C and nicotinic acid are offered in tablets of convenient sizes.*

<sup>1</sup> Report of 174th Ann. Meeting of the Med. Soc. of N. J., New York Times, June 5, 1940.

<sup>2</sup> Bul. N. Y. Acad. Med., 15, p. 474.

<sup>3</sup> "Vitamin B<sub>1</sub>", 1938, p. 133.

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